

01.03.2026

# BẢNG GIÁ

BREAKER & SWITCHGEAR SYSTEM



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SHIHLIN  
ToolKit





- Model name: SVB-24G-16/25
  - Circuit breaker type: Draw Out / Fixed (applicable to CNS 15156-200 standard)
  - Rated voltage: 24kV
  - Rated current: 630A, 1250A
  - Rated short circuit breaking current: 16/25kA (rms)
  - Rated frequency: 50/60Hz
  - Rated short-time withstand current: 16/25kA (3sec)
  - Rated short-time input current: 42/65kA
  - Rated low frequency withstand voltage (dry type 1min): 50kV
  - Rated impulse withstand voltage: 125kV
  - Rated breaking capacity: 665/1000MVA
  - Rated operating sequence: O-0.3s-CO-180s-CO
  - Rated on-off time: 3/50 cycle/ms
  - Mechanical life: 10000 (M2 level)
  - Rated operation voltage: AC/DC 110 or 220 V
- Features:
1. Qualified for testing by Taiwan Electric Research & Testing center and power transmission approval by Taipower.
  2. Multiple accessories: draw-out base, input lock, capacitor tripping device(CTD), grounding switch, overcurrent tripping device, input button lock, input button cover(lockable)

## VCB Specification

Type		SVB-24G-16		SVB-24G-25	
		Fixed	Draw Out	Fixed	Draw Out
Breaker Type					
Type		Aviation Connector			
Rated Voltage	kV	24			
Rated Current	A	630, 1250			
Rated Frequency	Hz	50/60			
Low Frequency Withstand Voltage (1min, dry)	kV	50			
Impulse Withstand Voltage	kV	125 (1.2 x 50 $\mu$ s)			
Rated Short-circuit Breaking Current	kA (rms)	16		25	
Rated Short-time Withstand Current (3sec)	kA	16		25	
Rated Making Current	kA	42		65	
Rated Breaking Capacity	MVA	665		1000	
Rated Operation Sequence		O-0.3s-CO-180s-CO			
Rated Breaking Time	cycle/ms	3/50			
Mechanical Endurance	time	10000 (M2)			
Capacitive Current Switching		C2			
Rated Operation Voltage	V	AC/DC 110, 220			
Average Closing Frequency	m/s	0.6~1			
Average Opening Frequency	m/s	1.0~1.6			
Closing Time	ms	$\leq$ 50			
Opening Time	ms	$\leq$ 50			
Closing Contact Acting Time	ms	$\leq$ 2			
Closing and Opening Non-simultaneity of Three-phase Contacts	ms	$\leq$ 2			
Clearance Between Poles	mm	210			
NO.of Auxiliary Switches		6NO+6NC			
Mass CB Weight	kg	128	135	128	135

# Notification Letter

Re : Distributor

Subject : MCCB Electronic type (BM series)  
discontinued

## Description :

1. Thanks to the distributor for the long term support to Shihlin Electric.
2. Shihlin electronic type MCCB BM series will be replaced by BMA series to improve its features.
3. The main difference is as below:
  - ①**Controller:**
    - BM series(old) → E type(Knob)
    - BMA series(new) → Added A type(General) 、 G type(Ground) and H type(High performance)
  - ②**Breaking capacity(IEC60947-2)**
    - BM series(old) →  $I_{cs}=50\%I_{cu}$
    - BMA series(new) →  $I_{cs}=100\%I_{cu}$
4. The detailed is listed in the attachment 1&2.
5. Implement date: January 01, 2025

Distributor

Breaker & Switchgear  
Overseas Marketing Dept.

Date of issue :

Jan., 3th , 2025



## Model specifications comparison table :

MCCB(Electronic type)							
BM series (old)		Breaking Capacity Ics=50%Icu		BM A series (new)		Breaking Capacity Ics=100%Icu	
		Icu	Ics			Icu	Ics
BM100	HE	50	25	BMA100	HED	50	50
	RE	70	35		RED	70	70
	UE	85	43		-	-	-
BM160	HE	50	25	BMA160	HED	50	50
	RE	70	35		RED	70	70
	UE	85	43		-	-	-
BM250	HE	50	25	BMA250	HED	50	50
	RE	70	35		RED	70	70
	UE	85	43		-	-	-
BM400	HE	50	25	BMA400	HED	50	50
	RE	70	35		RED	70	70
	UE	85	43		-	-	-
BM630	HE	50	25	BMA630	HED	50	50
	RE	70	35		RED	70	70
	UE	85	43		-	-	-
BM800	HE	50	25	BMA800	HED	50	50
	RE	70	35		RED	70	70
	UE	85	43		-	-	-
BM 1000	-	-	-	BM A 1000	HED	50	50
	SE	70	35		RED	70	70
	HE	85	43		-	-	-
BM 1250	-	-	-	BM A 1250	HED	50	50
	SE	70	35		RED	70	70
	HE	85	43		-	-	-
-	-	-	-	BM A 1600	HED	50	50
	-	-	-		RED	70	70
	-	-	-		-	-	-

## Controller function table:

Type		Electronic type			
		Power distribution			
		E- Knob type	A- General type	G- Ground type	H- High performance type
Protection	Overload long time delay	■	■	■	■
	Short circuit short time delay	■	■	■	■
	Instantaneous protection	■	■	■	■
	Neutral protection	■	■	■	■
	Ground fault protection	■	■	■	■
Other function	Over current pre-warning	■	■	■	■
	Current display	■	■	■	■
	Thermal memory functions	■	■	■	■
	Tripping records	■	■	■	■
	Alarm records	■	■	■	■
	Tripping times	■	■	■	■
	Contact wear indication	■	■	■	■
	Continuous operation time	■	■	■	■
	Cumulative operating time	■	■	■	■
	Testing	■	■	■	■
	25A*	■	■	■	■
	Communication*	■	■	■	■
	Interactive	Button setting	■	■	■
Knob setting		■	■	■	■
LCD display		■	■	■	■
LED indication		■	■	■	■



Distributor

Breaker & Switchgear  
Overseas Marketing Dept.

Date of issue :

Jan., 1th , 2025



## Model Launched!

Type		BM100		BM125			BM160		BM250		
Frame Size		100AF		125AF			160AF		250AF		
Model		STD	LTD	LTD	HTA	RTA	HTA	RTA	HTA	RTA	
Number of poles		2P / 3P / 4P		2P / 3P / 4P			3P / 4P		3P / 4P		
Frequency (Hz)		50 / 60		50 / 60			50 / 60		50 / 60		
Rated Current, In		10,15,16,20,25,30,32,40,50,60,63,75,80,100A		10,15,16,20,25,30,32,40,50,60,63,70,75,80,100,125A			40,50,60,63,70,75,80,100,125,140,150,160A		40,50,60,63,70,75,80,100,125,140,150,160,175,200,225,250A		
Rated insulation voltage Ui (AC)		800V		800V			800V		800V		
Uimp(kV)		8kV		8kV			8kV		8kV		
Breaking Capacity, Icu (AC)	690V	5 kA	5 kA	5 kA	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA	
	415V	25 kA	36 kA	36 kA	50 kA	70 kA	50 kA	70 kA	50 kA	70 kA	
	380V	30 kA	36 kA	36 kA	50 kA	70 kA	50 kA	70 kA	50 kA	70 kA	
Ics (%Icu)		50	70	70	50	50	50	50	50	50	
Dimension W x H x D (mm)	2P	50 x 130 x 68		50 x 130 x 68		90 x 155 x 68		90 x 155 x 68		-	-
	3P	75 x 130 x 68		75 x 130 x 68		90 x 155 x 68		90 x 155 x 68		105 x 165 x 68	
	4P	100 x 130 x 68		100 x 130 x 68		120 x 155 x 68		120 x 155 x 68		140 x 165 x 68	
Trip Unit		Thermal magnetic		Thermal magnetic	Adjustable Thermal Fixed magnetic	Adjustable Thermal Fixed magnetic	Adjustable Thermal Fixed magnetic		Adjustable Thermal Fixed magnetic		

Type		BM630s				BMA630s				BMA1000	BMA1250	BMA1600
Frame Size		630AF				630AF				1000AF	1250AF	1600AF
Model		STA	LTA	HTA	RTA	STA	LTA	HTA	RTA	RED	RED	RED
Number of poles		3P / 4P				3P / 4P				3P / 4P	3P / 4P	3P / 4P
Frequency (Hz)		50 / 60				50 / 60				50 / 60	50 / 60	50 / 60
Rated Current, In		400,500,600,630A				400,500,600,630A				1000A	1250A	1600A
Rated insulation voltage Ui (AC)		1000V				1000V				1000V	1000V	1000V
Uimp(kV)		8kV				8kV				8kV	8kV	8kV
Breaking Capacity, Icu (AC)	690V	10 kA	10 kA	10 kA	15 kA	10 kA	10 kA	10 kA	15 kA	45 kA	45 kA	45 kA
	415V	25 kA	36 kA	50 kA	70 kA	25 kA	36 kA	50 kA	70 kA	70 kA	70 kA	70 kA
	380V	25 kA	36 kA	50 kA	70 kA	25 kA	36 kA	50 kA	70 kA	70 kA	70 kA	70 kA
Ics (%Icu)		50				100				100	100	100
Dimension W x H x D (mm)	3P	140 x 257 x 103				140 x 257 x 103				210 x 327 x 141	210 x 327 x 141	210 x 327 x 141
	4P	185 x 257 x 103				185 x 257 x 103				280 x 327 x 141	280 x 327 x 141	280 x 327 x 141
Trip Unit		Adjustable Thermal Fixed magnetic				Adjustable Thermal Fixed magnetic				Electronic	Electronic	Electronic



## Giá bán chưa bao gồm thuế VAT

## MCCB / ELCB

### MCCB (Aptomat) 2P Tiêu chuẩn IEC60947-2

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BM 30-CN	2P	3.5.10.15.20.30A	1.5	583,000
BM 50-CN	2P	10.15.20.30.40.50A	2.5	735,000
BM 100-MN	2P	10.15.20.30.40.50A	10	1,013,000
		60.75.100A		1,065,000
BM 100-SN	2P	10.15.20.30.40.50.60.75.100A	15	1,113,000
BM 250-SN	2P	125.150.175.200.225.250A (Adj.)	30	2,105,000
BM 400-CN	2P	250.300.350.400A	25	5,111,000

### MCCB (Aptomat) 3P Tiêu chuẩn IEC60947-2

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BM 30-CN	3P	3.5.10.15.20.30A	1.5	793,000
BM 50-CN	3P	10.15.20.30.40.50A	2.5	816,000
BM 100-MN	3P	10.15.20.30.40.50A	10	990,000
		60.75.100		1,222,000
BM 100-SN	3P	10.15.20.30.40.50A	15	1,023,000
		60.75.100		1,253,000
BM 100-STD	3P	15.16.20.25.30.32.40.50.60.63.70.80.100A	30	1,851,000
		10.15.16.20.25.30.32.40.50.60.63.70.75.80.100A		2,617,000
BM 125-SN	3P	10.15.20.30.40.50.60.75.100.125A	22	1,562,000
		15.16.20.25.30.32.40.50.60.63.75.80.100.125A		2,617,000
BM 125-LTD	3P	10.15.16.20.25.30.32.40.50.60.63.70.75.80.100A	36	2,617,000
BM 125-HTA	3P	10.15.16.20.25.30.32.40.50.60.63.70.75.80.100.125A (Adj.)	50	3,839,000
BM 125-RTA	3P	60.63.70.75.80.100.125A (Adj.)	70	6,662,000
BM 160-HTA	3P	40.50.60.63.70.75.80.100	50	4,996,000
BM 160-RTA	3P	125.140.150.160A (Adj.)	70	5,601,000
BM 250-CN	3P	125.150.175.200.225.250A (Adj.)	22	2,448,000
BM 250-SN	3P	125.150.175.200.225.250A (Adj.)	30	2,606,000
BM 250-LTA	3P	125.150.175.200.225.250A (Adj.)	36	3,181,000
BM 250-HTA	3P	175.200.225.250A (Adj.)	50	5,553,000
BM 250-RTA	3P	175.200.225.250A (Adj.)	70	6,084,000
BM 400-CN (Không thanh đồng)	3P	250.300.350.400A	25	5,458,000
BM 400-SN (Không thanh đồng)	3P	250.300.350.400A	35	5,678,000
BM 400-HN (Không thanh đồng)	3P	250.300.350.400A	50	6,070,000
BM 630s-STA (Không thanh đồng)	3P	400.500.600.630A (Adj.)	25	10,523,000
BM 630s-LTA (Không thanh đồng)	3P	400.500.600.630A (Adj.)	36	10,756,000
BM 630s-HTA (Không thanh đồng)	3P	400.500.600.630A (Adj.)	50	14,782,000
BM 630s-RTA (Không thanh đồng)	3P	400.500.600.630A (Adj.)	70	18,511,000
BM 800-CN (Không thanh đồng)	3P	700.800A	35	11,361,000
BM 800-SN (Không thanh đồng)	3P	700.800A	50	14,828,000
BM 400-CN	3P	250.300.350.400A	25	6,332,000
BM 400-SN	3P	250.300.350.400A	35	6,552,000
BM 400-HN	3P	250.300.350.400A	50	6,943,000
BM 630s-STA	3P	400.500.600.630A (Adj.)	25	11,396,000
BM 630s-LTA	3P	400.500.600.630A (Adj.)	36	11,629,000
BM 630s-HTA	3P	400.500.600.630A (Adj.)	50	15,655,000
BM 630s-RTA	3P	400.500.600.630A (Adj.)	70	19,384,000
BM 800-CN	3P	700.800A	35	14,146,000
BM 800-SN	3P	700.800A	50	17,613,000
BM 1000-HS	3P	1000A	40	40,506,000
BM 1200-HS	3P	1200A	100	46,155,000
BM 1600-HS	3P	1400.1600A	100	62,327,000

### EMCCB (Aptomat) 3P IEC60947-2 Chính dòng điện từ 0.4~1\*In

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BMA 1000-RED (Không thanh đồng)	3P	1000A		34,007,000
BMA 1250-RED (Không thanh đồng)	3P	1250A	70	37,345,000
BMA 1600-RED (Không thanh đồng)	3P	1600A		51,260,000
BMA 1000-RED	3P	1000A		37,362,000
BMA 1250-RED	3P	1250A	70	40,700,000
BMA 1600-RED	3P	1600A		54,615,000

### MCCB (Aptomat) 4P Tiêu chuẩn IEC60947-2

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BM 100-SN	4P	10.15.20.30.40.50A	15	1,383,000
		60.75.100		1,586,000
BM 100-STD	4P	10.15.16.20.25.30.32.40.50.60.63.70.75.80.100A	30	2,170,000
		125.150.175.200.225.250A (Adj.)		3,011,000
BM 250-SN	4P	125.150.175.200.225.250A (Adj.)	36	4,532,000
BM 400-SN	4P	250.300.350.400A	35	8,803,000
BM 400-HN	4P	250.300.350.400A	50	9,994,000
BM 630s-LTA	4P	400.500.600.630A	36	16,634,000
BM 630s-HTA	4P	400.500.600.630A	50	18,275,000
BM 800-SN	4P	700.800A	50	22,484,000
BM 800-HN	4P	700.800A	70	28,789,000

### CB Chống giật Tiêu chuẩn IEC60947-2 Chính dòng 30 - 100 - 500mA 0.1s

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BL 100-SN	3P	15.20.30.40.50A	15	2,419,000
		60.75.100A		2,563,000
BL 160-SN	3P	125.140.160A	30	5,009,000
BL 250-SN	3P	175.200.225.250A	30	5,038,000
BL 400-SN	3P	250.300.350.400A	35	10,652,000
BL 630-HN	3P	500.630A	50	17,274,000
BL 100-SN	4P	15.20.30.40.50.60.75.100A	15	4,175,000
BL 100-HN	4P	15.20.30.40.50.60.75.100A	30	4,751,000
BL 160-SN	4P	125.140.160A	30	8,018,000
BL 250-SN	4P	175.200.225.250A	30	8,205,000
BL 400-SN	4P	250.300.350.400A	35	16,698,000
BL 630-HN	4P	500.630A	50	24,184,000

### PHỤ KIỆN MCCB – BỘ KHỞI ĐỘNG ON/OFF MCCB

Mã hàng	Đơn giá (VND)
MT-100N	9,073,000
MT-125N	9,462,000
MT-250N	10,370,000
MT-250E	10,629,000
MT-400N	14,258,000
MT-800N	15,942,000

### PHỤ KIỆN MCCB

Mã hàng	Đơn giá (VND)		
	SHT	UVT	AUX
BM 50-CN/100-MN.SN	768,000	1,595,000	389,000
BM 100-HN/125-SN.HN	823,000	1,871,000	493,000
BM 100-STD.LTD/125-HTA.RTA/160-HTA.RTA/250-CN.SN.HN.HTA.RTA	1,084,000	2,113,000	596,000
BM 400-CN.SN.HN/630s-STA.LTA.HTA.RTA/800-CN.SN.HN	1,146,000	2,191,000	881,000
BM 1000~1600-HS	2,852,000	5,574,000	2,203,000
BMA 1000~1600-RED	2,852,000	5,574,000	2,203,000



## Giá bán chưa bao gồm thuế VAT

## MS / STARTER

### KHỞI ĐỘNG TỪ - CONTACTOR

Mã hàng	3φ 380V AC3			Tiếp điểm	Chọn rơ le nhiệt	Đơn giá (VND)
	KW	HP	A			
S-P06	3	4	6	1a	TH-P09PP	314,000
S-P09	4	5.5	9			345,000
S-P9T				1a1b	370,000	
S-P11	5.5	7.5	12	1a	TH-P12ES	389,000
S-P12T				1a1b	448,000	
S-P16	7.5	10	18	2a2b	TH-P20ES	589,000
S-P21A	11	15	21		616,000	
S-P30T	15	20	30	1a1b	TH-P20ES TA	830,000
S-P32T	15	20	32		717,000	
S-P35T	18.5	25	35	2a2b	TH-P60ES	880,000
S-P40T	22	30	40		1,387,000	
S-P50T	30	40	52	1a1b	TH-P60ES TA	1,695,000
S-P60T	37	50	65		1,870,000	
S-P80T	45	60	80	2a2b	TH-P120E	2,613,000
S-P100E	55	75	100		2,875,000	
S-P100T	60	80	105	1a1b	TH-P120ETA	3,248,000
S-P125T	75	100	130		4,106,000	
S-P150T	90	125	160	2a2b	TH-P120ETA	5,419,000
S-P220T	120	160	220		7,451,000	
S-P300T	160	220	300	1a1b	TH-P220TE	12,143,000
S-P400T	220	300	400		14,376,000	
S-P630T	335	450	630	2a2b	TH-P400TE	26,792,000
S-P800T	450	610	800		31,366,000	
S-P1260T					TH-P600CTE	39,207,000

### RƠ LÊ NHIỆT (CÓ THANH ĐỒNG KẾT NỐI) - OVERLOAD

Mã hàng	Dãy điều chỉnh nhiệt (A)	Đơn giá (VND)
TH-P09PP	1.3(1~1.6) ; 2(1.6~2.4) ; 3.2(2.4~4) ; 5(4~6)A	358,000
TH-P12ES	0.25(0.19~0.31) ; 0.4(0.3~0.5) ; 0.6(0.45~0.75)A 0.9(0.7~1.1) ; 1.2(0.9~1.5) ; 1.7(1.3~2.1)A 2.1(1.6~2.6) ; 3.3(2.5~4.1) ; 4.4(3.4~5.4)A 6.5(5~8) ; 9(7~11) ; 11(9~13) ; 15(12~18)A	325,000
TH-P18	9(7~11) ; 11(9~13) ; 15(12~18) ; 21(17~24)A	347,000
TH-P20ES		379,000
TH-P20ES TA	28(22~34) ; 33(28~38) ; 40A(32~48)A	412,000
TH-P60ES	33(28~38) ; 40(32~48) ; 54(43~65)A	528,000
TH-P60ES TA	67(54~80) ; 80(60~100)A	918,000
TH-P120E	40(32~48) ; 54(43~65) ; 67(54~80) ; 80(60~100)	1,210,000
TH-P120ETA	105(80~130)A 130(100~160) ; 160(120~200)A	1,531,000
TH-P220TE	200(150~250)A	3,360,000
TH-P400TE	260(200~320) ; 350(260~400)A	4,592,000

### KHỞI ĐỘNG TỪ HỘP

Mã hàng	3P 220V		3P 380V		Rơ le Nhiệt	Đơn giá (VND)
	KW	HP	KW	HP		
MS-P11PBE	0.2	1/4	0.4	1/2	1.2(0.9~1.5)A	885,000
	0.3	2/5	0.75	1	1.7(1.3~2.1)A	
	0.4	1/2	1.1	1.5	2.1(1.6~2.6)A	
	0.75	1	1.5	2	3.3(2.5~4.1)A	
	1.1	1.5	2.2	3	4.4(3.4~5.4)A	
	1.5	2	3	4	6.5(5~8)A	
	2.2	3	3.7	5.5	9(7~11)A	
	3	4	5.5	7.5	11(9~13)A	
MS-P16PBE	3.7	5	7.5	10	15(12~18)A	1,052,000
MS-P21PBE	5.5	7.5	12	15	21(17~24)A	1,169,000
MS-P35TPBE	7.5	10	15	20	28(22~34)A	2,041,000
MS-P40TPBE	11	15	22	30	40(32~48)A	2,069,000

### PHỤ KIỆN KHỞI ĐỘNG TỪ

Coil: 24.48.110.220.380V	Đơn giá (VND)	Tiếp điểm phụ (S-P11~21A)	Đơn giá (VND)
S-P 11~21	166,000	AP-11	104,000
S-P 30/35/40	212,000	APS-11	116,000
S-P 50/60	251,000	AP-22	193,000
S-P 80	463,000		
S-P 100	634,000		
S-P 125/150	1,095,000	Nút nhấn - Push Button	Đơn giá (VND)
S-P 220	1,188,000	PB-2	104,000
S-P 300/400	6,598,000	PB-3	197,000

Khóa liên động	Đơn giá (VND)
MPU-11 S-2XP 9T,11,12T,15,30T,35T,38T,40T,50T,60T	149,000
MPU-21 S-2XP 16,21(A),25,32T	164,000
MPU-50 S-2XP 80T	244,000
MPU-125 S-2XP 125~400T	427,000

Capacitor Unit	Kvar/380V	Đơn giá (VND)	
AP-40-A	S-P 11	12.5	559,000
	S-P 16	16.7	
	S-P 21A	20	
AP-40-B	S-P 40T	25	625,000
	S-P 50T	33.3	
	S-P 60T	45	
	S-P 80T	60	

### CONTACTOR RELAY

Mã hàng	Tiếp điểm phụ	Đơn giá (VND)
SR-P40	4NO / 3NO 1NC / 2NO 2NC	439,000
SR-P50	5NO / 4NO 1NC / 3NO 2NC / 2NO 3NC	513,000
SR-P80	8NO / 7NO 1NC / 6NO 2NC / 5NO 3NC / 4NO 4NC	645,000

### KHỞI ĐỘNG TỪ KÉP

Chuyên dùng cho cửa cuốn (Chuyển động thuận, nghịch)	Đơn giá (VND)
RC-11C Coil : 220 or 380VAC	1,252,000

### MANUAL MOTOR STARTER = MCB + OVERLOAD (3P)

Mã hàng	Current In (A)	HP 3φ 380V	Đơn giá (VND)
MR-32S-0.16	0.1~0.16	1/30	728,000
MR-32S-0.25	0.16~0.25	1/19	
MR-32S-0.4	0.25~0.4	1/8	
MR-32S-0.63	0.4~0.63	1/4	
MR-32S-1	0.63~1	1/3	
MR-32S-1.6	1~1.6	1/2	
MR-32S-2.5	1.6~2.5	1	
MR-32S-4	2.5~4	2	
MR-32S-6.3	4~6.3	3	750,000
MR-32S-10	6~10	4~5	
MR-32S-14	9~14	5~7.5	
MR-32S-18	13~18	10	
MR-32S-23	17~23	15	
MR-32S-25	20~25	15(16)	
MR-32S-32	24~32	20	



## Capacitor Unit



Capacitor Unit	Magnetic Contactor	Maximum operating power(kvar)		
		220~240V	400~440V	660~690V
AP-40 A	S-P11	6.7	12.5	18
	S-P16	8.5	16.7	24
	S-P21	10	20	30
AP-40 B	S-P40T	15	25	36
	S-P50T	20	33.3	48
	S-P60T	25	45	58
	S-P80T	35	60	75

## Manual Motor Starter

Side AX (MR-AN)



Front AX (MR-AE)



SHT (MR-AS)



AL (MR-AM)  
(For Magnetic Trip)



MMS

UVT (MR-AU)





Special Discount

RPC (MCB) IEC60898 / IEC60947-2 (6kA)			
Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)
RPC	1P	6-10-16-20-25-32-40A	70,000
		50-63A	74,000
RPC	2P	6-10-16-20-25-32-40A	151,000
		50-63A	155,000
RPC	3P	6-10-16-20-25-32-40A	243,000
		50-63A	250,000
RPC	4P	6-10-16-20-25-32-40A	391,000
		50-63A	442,000

RPC-H (MCB) IEC60898 / IEC60947-2 (10kA)			
Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)
RPC-H	1P	6-10-16-20-25-32-40A	117,000
		50-63A	141,000
RPC-H	2P	6-10-16-20-25-32-40A	243,000
		50-63A	298,000
RPC-H	3P	6-10-16-20-25-32-40A	393,000
		50-63A	536,000
RPC-H	4P	6-10-16-20-25-32-40A	642,000
		50-63A	781,000

RPL (RCBO) IEC61009-1			
Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)
RPL	1P+N	6.10.16.20A	370,000
		25.32A	393,000
		40.50.63A	682,000

RPV (RCCB) IEC61008-1			
Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)
RPV	1P+N	16.20.25.32.40A	693,000
		63A	705,000
RPV	3P+N	16.20.25.32.40A	867,000
		63A	959,000

\* Rated residual current: 10, 15, 30, 100, 300mA

Product	MCB		RCCB	RCBO
	RPC	RPC-H	RPV	RPL
Protection	Overload, Instantaneous		Leakage	Overload, Instantaneous, Leakage
Frame size	63AF		63AF	63AF
Rated current	6, 10, 16, 20, 25, 32, 40, 50, 63		16, 20, 25, 32, 40, 63	6, 10, 16, 20, 25, 32, 40, 50, 63
Instantaneous curve	B,C,D Type, 8~12In		-	C, D Type
Poles	1, 2, 3, 4 Pole		1P+N, 3P+N	1P+N
Rated Voltage	1P: AC240/415V 2-4P: AC415V		1P+N: AC240V 3P+N: AC415V	2P: 240V~
Breaking Capacity	6kA @240/415Vac	10kA @240/415Vac	Inc=6kA, 10kA	6kA
Rated residual current	Operation I $\Delta$ n	-	10, 15, 30, 100, 300mA	10, 15, 30, 100, 300mA
	Non-operation I $\Delta$ no	-	0.5I $\Delta$ n	0.5I $\Delta$ n
Standard	IEC60898-1, IEC60947-2		IEC61008-1	IEC61009-1
Ui	500V		500V	500V
Uimp	6KV		4KV	4KV
Trip Unit	Thermal magnetic		Electro-magnetic	Electronic
Mechanical life	20000		10000	10000
Electrical life	4000		3000	3000



## RPC Series

### Feature:

- Overload & instantaneous protection
- Comply with IEC 60898-1 & IEC60947-2
- Window display for ON/OFF status
- Din-rail TH35mm tool free installation



## RPV Series

### Feature:

- Leakage protection
- Comply with IEC61008-1
- Window display for ON/OFF status and leakage indicator
- Leakage test bottom
- Din-rail TH35mm tool free installation



## RPL Series

### Feature:

- Overload, instantaneous & Leakage protection
- Comply with IEC 61009-1
- Window display for leakage indicator
- Leakage test bottom
- Din-rail TH35mm tool free installation



## Giá bán chưa bao gồm thuế VAT

**MCB**

### MCB (CB Tép) Tiêu chuẩn IEC60898 Màu trắng (6kA)

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BHA-B3	1P	6.10.16.20.25.32.40A	6	105,000
		50.63A		110,000
	2P	6.10.16.20.25.32.40A		224,000
		50.63A		231,000
	3P	6.10.16.20.25.32.40A		362,000
		50.63A		374,000
	4P	6.10.16.20.25.32.40A		554,000
		50.63A		633,000

### MCB (CB Tép) Tiêu chuẩn IEC60898 Màu trắng (10kA)

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BHA-B4	1P	6.10.16.20.25.32.40A	10	151,000
		50.63A		181,000
BHA125	1P	80.100A		291,000
		125A		377,000
BHA-B4	2P	6.10.16.20.25.32.40A		330,000
		50.63A		398,000
BHA125	2P	80.100A		669,000
		125A		684,000
BHA-B4	3P	6.10.16.20.25.32.40A		515,000
		50.63A		703,000
BHA125	3P	80.100A		1,039,000
		125A		1,062,000
BHA-B4	4P	6.10.16.20.25.32.40A	842,000	
		50.63A	1,047,000	
BHA125	4P	80.100A	1,360,000	
		125A	1,467,000	

### CB Chống giật (RCBO) Tiêu chuẩn IEC60947 30mA 0.1s

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BHL-A	1P+N	6.10.16.20A	6	506,000
		25.32A		539,000
		40.50.63A		858,000
BHL	2P	6.10.16.20A		823,000
		25.32A		858,000
		40.50.63A		913,000
BHL	3P	6.10.16.20.25.32A		1,078,000
		40.50.63A		1,232,000
		6.10.16.20.25.32A		1,210,000
BHL	4P	6.10.16.20.25.32A		1,210,000
		40.50.63A		1,507,000

### CB Chống giật (RCCB) Tiêu chuẩn IEC60947 30mA 0.1s

Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)
BHR-A	2P	25.32.40A	783,000
		63A	798,000
		25.32.40A	1,026,000
BHR-A	4P	63A	1,141,000

### CB Chống giật (RCCB) Tiêu chuẩn CNS 14816-2 30mA 0.1s

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BL-KF	2P	15.20.30A	1.5	561,000
BL-K30F	3P			883,000
NV-BF	2P	15.20.30A	1.5	446,000

### BL-BF

Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)
BL-BF C (MCB)			108,000
BL-BF V (RCCB)	2P	15.20.30A	265,000
BL-BF L (RCBO)			373,000

### CB Chống giật (RCBO) Tiêu chuẩn CNS 14816-2 30mA 0.1s

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
NVB-50L	2P		5	858,000
NVB-50UL	1P	15.20.30.40.50A		703,000
NVB-50UL	2P		10	1,170,000

### SMC (Automatic)

Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)	
SMC	2P	16A	248,000	
		25A		
		40A		
		63A		
		16A		457,000
		25A		
	40A			
	63A			
	4P	16A	732,000	
		25A		
		40A		
		63A		

### SMC (Manual)

Mã hàng	P	Dòng định mức (A)	Đơn giá (VND)	
SMC	2P	16A	337,000	
		25A		
		40A		
		63A		
		16A		598,000
		25A		
	40A			
	63A			
	4P	16A	924,000	
		25A		
		40A		
		63A		

### MCB (CB Tép) Tiêu chuẩn CNS14816-2 Màu đen

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)	
BP	1P	15.20.30.40.50A	5	139,000	
		60.75.100A		255,000	
BP	2P	15.20.30.40.50A		289,000	
		60.75.100A		497,000	
BP	3P	15.20.30.40.50A		487,000	
		60.75.100A		907,000	
BPH	1P	15.20.30.40.50A		213,000	
BPH	2P	15.20.30.40.50A		10	381,000
		60.75.100A			655,000
BPH	3P	15.20.30.40.50A		708,000	
		60.75.100A		1,344,000	



## Closing coil unit



### Closing Coil

CMD01	AC 380V
CMD02	AC 220V
CMD03	DC 220V
CMD04	DC 110V
CMD05	AC 110V

## Shunt release unit



### Shunt Trip

SHT01	AC 380V
SHT02	AC 220V
SHT03	DC 220V
SHT04	DC 110V
SHT05	AC 110V

## Under voltage trip unit



### Under Voltage Trip

UVT01	Instantaneous AC 380V
UVT02	Delay AC 380V
UVT03	Instantaneous AC 220V
UVT04	Delay AC 220V
UVT05	Instantaneous AC 110V
UVT06	Delay AC 110V

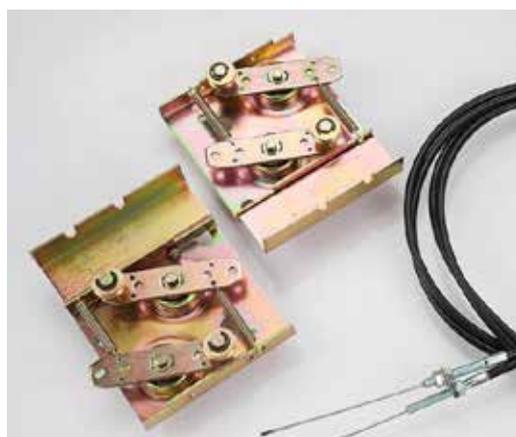
## Locking device



### Locks

LOK01	3 Locks, 2 Keys
LOK03	Button Lock
LOK04	Racking Lock
LOK05	Key Lock
LOK07	2 Locks, 1 Key

## Mechanical interlock device



### Mechanical Interlock

MIL01	Drawout, Vertical, For 2
MIL02	Drawout, Horizontal, For 2, W/O cable
MIL03	Fixed, Vertical, For 2
MIL04	Fixed, Horizontal, For 2, W/O cable
MIL05	Drawout, Vertical, For 3
MIL06	Fixed, Vertical, For 3
MIL07	Drawout, Horizontal, Ø2.5mm*1.5m
MIL08	Fixed, Horizontal, Ø2.5mm*1.5m
MIL09	Drawout, Horizontal, For 3

## Giá bán chưa bao gồm thuế VAT

### ACB 3P FIXED có phụ kiện gồm: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	3P	630A	65	47,100,000
		800A		47,100,000
		1000A		49,200,000
		1250A		51,200,000
		1600A		55,400,000

### ACB 4P FIXED có phụ kiện gồm: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	4P	630A	65	52,800,000
		800A		52,800,000
		1000A		54,800,000
		1250A		55,900,000
		1600A		61,500,000

### ACB 3P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	3P	630A	65	63,800,000
		800A		63,800,000
		1000A		65,000,000
		1250A		67,200,000
		1600A		73,200,000

### ACB 4P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	4P	630A	65	69,300,000
		800A		69,300,000
		1000A		71,000,000
		1250A		74,800,000
		1600A		78,100,000

### ACB 3P FIXED có phụ kiện gồm: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	3P	630A	85	53,400,000
		800A		53,400,000
		1000A		54,900,000
		1250A		57,800,000
		1600A		63,800,000
BW 3200-HN	3P	2000A	100	76,000,000
		2500A		88,300,000
BW 4000-HN	3P	3200A	100	106,800,000
		4000A		145,200,000
BW 6300-HN	3P	5000A	120/100	227,500,000
		6300A		250,800,000

### ACB 4P FIXED có phụ kiện gồm: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	4P	630A	85	63,600,000
		800A		63,600,000
		1000A		64,900,000
		1250A		66,100,000
		1600A		74,800,000
BW 3200-HN	4P	2000A	100	84,400,000
		2500A		97,600,000
BW 4000-HN	4P	3200A	100	117,400,000
		4000A		167,000,000
BW 6300-HN	4P	5000A	120/100	280,700,000
		6300A		309,800,000

### ACB 3P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	3P	630A	85	68,000,000
		800A		68,000,000
		1000A		70,400,000
		1250A		73,700,000
		1600A		78,500,000
BWA 2500	3P	2000A	100	83,100,000
		2500A		105,600,000
BW 3200-HN	3P	3200A	100	109,500,000
		3200A		132,000,000
BW 4000-HN	3P	4000A	120/100	224,200,000
		5000A		284,400,000
BW 6300-HS	3P	6300A	120/100	342,900,000

### ACB 4P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	4P	630A	85	74,800,000
		800A		74,800,000
		1000A		78,100,000
		1250A		79,900,000
		1600A		88,400,000
BWA 2500	4P	2000A	100	100,200,000
		2500A		120,000,000
BW 3200-HN	4P	3200A	100	121,300,000
		3200A		141,100,000
BW 4000-HN	4P	4000A	120/100	277,000,000
		5000A		395,700,000

### Phụ kiện ACB

Mã hàng	Đơn giá (VND)
Tiếp điểm (AUX)	3,000,000
Cuộn cắt (SHT)	3,000,000
Cuộn đóng (CC)	3,000,000
Motor nạp (MD)	4,000,000
UVT Bộ bảo vệ thấp áp delay 5 sec	10,800,000
Khóa liên động 2-way (Dùng cho 2 ACB)	24,775,000
Khóa liên động 3-way (Dùng cho 3 ACB)	38,115,000
Bảng điều khiển dùng cho ATS	17,325,000



## Giá bán chưa bao gồm thuế VAT

### ACB 3P FIXED không gồm phụ kiện: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	3P	630A	65	37,100,000
		800A		37,100,000
		1000A		39,200,000
		1250A		41,200,000
		1600A		45,400,000

### ACB 4P FIXED không gồm phụ kiện: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	4P	630A	65	42,800,000
		800A		42,800,000
		1000A		44,800,000
		1250A		45,900,000
		1600A		51,500,000

### ACB 3P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	3P	630A	65	53,800,000
		800A		53,800,000
		1000A		55,000,000
		1250A		57,200,000
		1600A		63,200,000

### ACB 4P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX5C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 1600-SN	4P	630A	65	59,300,000
		800A		59,300,000
		1000A		61,000,000
		1250A		64,800,000
		1600A		68,100,000

### ACB 3P FIXED không gồm phụ kiện: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	3P	630A	85	43,400,000
		800A		43,400,000
		1000A		44,900,000
		1250A		47,800,000
		1600A		53,800,000
BW 3200-HN	3P	2000A	100	66,000,000
		2500A		78,300,000
		3200A		96,800,000

### ACB 4P FIXED không gồm phụ kiện: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	4P	630A	85	53,600,000
		800A		53,600,000
		1000A		54,900,000
		1250A		56,100,000
		1600A		64,800,000
BW 3200-HN	4P	2000A	100	74,400,000
		2500A		87,600,000
		3200A		107,400,000

### ACB 3P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	3P	630A	85	58,000,000
		800A		58,000,000
		1000A		60,400,000
		1250A		63,700,000
		1600A		68,500,000
BWA 2500	3P	2000A	100	73,100,000
		2500A		95,600,000
BW 3200-HN	3P	2500A	100	99,500,000
		3200A		122,000,000
BW 4000-HN	3P	4000A	100	214,200,000

### ACB 4P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX6C

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BW 2000-HN	4P	630A	85	64,800,000
		800A		64,800,000
		1000A		68,100,000
		1250A		69,900,000
		1600A		78,400,000
BWA 2500	4P	2000A	100	90,200,000
		2500A		110,000,000
BW 3200-HN	4P	2500A	100	111,300,000
		3200A		131,100,000
BW 4000-HN	4P	4000A	100	267,000,000



## Giá bán chưa bao gồm thuế VAT

## ATS Loại MCCB Tiêu chuẩn IEC60947-2 – Giá đã bao gồm bảng điều khiển

Mã hàng	P	Dòng định mức (A)	kA	Đơn giá (VND)
BS100SN	3P	100A	15	16,060,000
BS100HN	3P	100A	30	19,870,000
BS250SN	3P	250A	30	22,858,000
BS400SN	3P	250.300.350.400A	35	39,591,000
BS400HN	3P	250.300.350.400A	50	39,739,000
BS630LT	3P	500.600.630A	42	59,385,000
BS630HT	3P	500.600.630A	50	69,095,000
BS800SN	3P	700.800A	50	75,520,000
BS1000HS	3P	1000A	100	169,937,000
BS1200HS	3P	1200A	100	193,093,000
BS1600HS	3P	1400.1600A	100	231,191,000

## PC grade ATS 3P

Mã hàng	Dòng định mức (A)	Đơn giá (VND)
XSTN-63	16/20/25/32/40/50/63A	9,588,000
	80A	
XSTN-125	100A	10,855,000
	125A	
XSTN-250	160/200/225/250A	12,870,000
XSTN-500	350/400/500A	30,282,000
	630A	
XSTN-800	800A	47,586,000
	800A	
XSTN-1250	1000/1250A	61,646,000
	1600A	
XSTN-2500	2000A	95,172,000
	2500A	148,166,000
	3200A	335,265,000
	4000A	356,895,000
XSTN-5000	5000A	410,970,000
	5000A	410,970,000

## PC grade ATS 4P

Mã hàng	Dòng định mức (A)	Đơn giá (VND)
XSTN-63	16/20/25/32/40/50/63A	12,978,000
	80A	
XSTN-125	100A	14,168,000
	125A	
XSTN-250	160/200/225/250A	15,141,000
XSTN-500	350/400/500A	33,527,000
	630A	
XSTN-800	800A	49,749,000
	800A	
XSTN-1250	1000/1250A	74,624,000
	1600A	
XSTN-2500	2000A	117,884,000
	2500A	156,818,000
	3200A	367,710,000
	4000A	410,970,000
XSTN-5000	5000A	508,305,000
	5000A	508,305,000

## PC grade ATS controller

Mã hàng	Đơn giá (VND)
XST-5 (Standard)	4,326,000
XST-6 (LCD)	5,624,000

## Chống sét lan truyền

Mã hàng	I <sub>max</sub> (kA)	μs	Đơn giá (VND)					
			1P	2P(1P+N)	1P+PE	3P	4P (3P+N)	3P+PE
BHP20M2	20	8/20	1,000,000	1,300,000	1,430,000	1,600,000	2,500,000	3,150,000
BHP40M2	40		1,200,000	1,500,000	1,710,000	1,850,000	3,500,000	3,950,000
BHP65M2	65		1,400,000	1,700,000	1,860,000	2,150,000	3,780,000	4,240,000
BHP80M2	80		1,570,000	1,910,000	2,470,000	2,980,000	4,160,000	4,950,000
BHP100M2	100		1,790,000	2,460,000	2,970,000	3,750,000	5,050,000	5,710,000
BHP-250	250	10/350	5,120,000	9,980,000	11,200,000	14,500,000	16,800,000	20,000,000
Counter-Bộ đếm TAD-04-99			4,700,000					

## Đồng hồ đa năng: IEC 62052-22 (Loại tiêu chuẩn)

Mã hàng	Đơn giá (VND)
DM40-SV	4,536,000

## Đồng hồ đa năng: IEC 62052-22 (Loại giao tiếp)

Mã hàng	Đơn giá (VND)
DM40-HV	5,292,000
DM40-HV RS485 module	1,134,000
DM40-HV Lora module	1,512,000
DM40-HV Analog I/O module	1,134,000
DM40-HV Digital I/O module	756,000



Shihlin Inverter Comparison Table

Series		SL3	SC3	SS2	SE3	SF3	SA3
Voltage & Capacity	1 $\phi$ 200~240V	0.4~2.2kW	0.2~2.2kW	0.4~2.2kW	0.4~2.2kW		
	3 $\phi$ 200~240V	-	0.2~3.7kW	0.4~3.7kW	0.4~15kW		0.75~132kW
	3 $\phi$ 380~480V	0.4~2.2kW	0.422kW	0.4~5.5kW	0.4~22kW	3.7~355kW	0.75~355kW
Control Mode	V/F						
	SVPWM						
	General Flux Vector Control						
	Sensorless Vector Control						
	Closed-loop V/F Control (with PG card)						
	Closed-loop Vector Control (with PG card)						
	Torque Control (with PG card)						
Overload Current Rating HD: Heavy Duty ND: Normal Duty		150% 60s, 200%1s	For Frame A/B: 150% 60s, 200%1s For Frame C/D: HD: 150% 60s ND: 120% 60s	150% 60s, 200%1s	HD: 150% 60s, 200% 3s ND: 120% 60s, 150% 3s	HD: 150% 60s ND: 120% 60s	HD: 150% 60s, 200% 3s ND: 120% 60s
Input Terminal	Digital	4 (SINK)	4 (SINK/SOURCE)	6 (SINK/SOURCE)	6 (SINK/SOURCE)	10 (SINK/SOURCE)	10 (SINK/SOURCE)
	Analog	1 point (V/I switchable) (4~20mA/0~10V)	1 point (V/I switchable) (4~20mA/0~10V)	2 points (V/I switchable) (4~20mA/0~10V/0~5V)	2 points (V/I switchable) (4~20mA/0~10V/-10~10V)	3 points (V/I switchable) (0~20mA/0~10V/-10~10V)	3 points (V/I switchable) (4~20mA/0~10V/-10~10V)
	Pulse	-	-	-	1 point (0~100kHz) (Using D/I M2)	1 point (0~100kHz) (Using D/I HDI)	1 point (0~100kHz) (Using D/I HDI)
Output Terminal	Relay	1 point (A/C)	1 point (A/C)	1 point (A/B/C)	1 point (A/B/C)	2 points (A/B/C, A/B/C)	2 points (A/B/C, A/B/C)
	Open Collector	-	-	1 point	1 point	2 points	2 points
	Analog	-	-	1 point (PWM voltage) (DC 0~10V)	1 point (0~10V/0~20mA/4~20mA)	2 points (0~10V/0~20mA)	2 points (0~10V/0~20mA)
	Pulse	-	-	-	1 point(0~100kHz)	1 point(0~100kHz)	1 point(0~100kHz)
Braking Unit		-	Built in: Frame B and above model	Built in	Built in	Built in: Frame A, B, C	Built in: Frame A, B, C
RFI filter		Built in (Always on)	Built in	Built in (Always on)	Built in	Built in	Built in
DC Reactor Connector					Built in: Frame C and above	Built in	Built in
Communication Function (Including Expansion Cards)	Modbus RTU & ASCII (Built in)						
	Profibus DP						
	DeviceNet						
	Ethernet						
	Modbus TCP						
	CANopen						
	EtherCAT						
	I/O Expansion						
Detachable Keypad							
Certification		CE	CE	CE	CE	CE	CE
Enclosure Type		IP20	IP20	IP20	IP20	Frame A, B, C: IP20 Frame D and above: IP00 (IP20 is optional)	Frame A, B, C: IP20 Frame D and above: IP00 (IP20 is optional)

SL3



SC3



SS2



SE3



SF3



SA3





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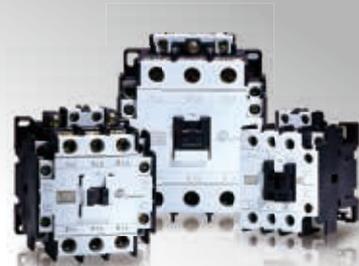
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